

REO 1000™

COST-EFFECTIVE, DISK-BASED DATA BACKUP AND RECOVERY APPLIANCE

Whether you need a higher capacity, more reliable backup solution, need faster file restore speeds, or need a better alternative to 1U or 2U tape autoloaders, the Overland Storage REO 1000 is the answer for your data protection needs. From an industry leader with over 23 years in the data protection business, the REO 1000 is a cost-effective, small form-factor disk-based backup appliance providing the capacity advantages needed for unattended data backup, near-instantaneous file restores needed for rapid file recoveries, and the price point that makes it the optimal backup solution for small business and remote locations of larger companies.

In addition to high capacity and rapid restores, the 1U REO 1000 delivers capabilities not found in existing 1U and 2U tape autoloaders, stand-alone tape drives, NAS devices or inexpensive RAID disk. RAID capability provides users with an additional, redundant layer of data protection for increased data availability. REO 1000's virtualization feature provides users with the flexibility to define multiple volumes of varying sizes needed to accommodate their backup needs. For easy integration into existing storage environments, and for increased performance capability, REO 1000 delivers tape emulation functionality, allowing users to utilize the REO 1000 in either disk and/or tape image formats.

REO 1000 features include:

High-capacity backup—utilizing four 250 GB SATA disk drives, the REO 1000 provides up to 1 TB of native backup capacity, nearly 20 percent more capacity than comparably priced 1U and 2U tape autoloaders.

High-speed recovery—Utilizing direct access disk technology, the REO 1000 recovers business-critical data at near-instantaneous speeds, significantly improving file recovery times.

Low-profile, rack-mountable form factor—occupying just 1U of rack space, the REO 1000 minimizes the use of valuable data center real estate.

Gigabit Ethernet (iSCSI) connectivity—seamlessly integrating into existing 10/100 and Gigabit Ethernet networks, REO 1000 delivers high-speed, low-cost connectivity to servers.

Virtualization—uniquely configuring each “storage personality” in disk, tape or a combination of disk/tape images, the REO 1000 enables storage managers to make “best of breed” technology decisions that most closely match their current and future data protection requirements.

LTO-2 tape emulation—backing up to virtual LTO-2 tape drives eliminates the limitations of disk-based backup faced by many data storage applications. Additionally, data compression helps you make the most productive use of your disk-based backup storage by providing increased capacity (as much as 2x) when operating in tape mode.

RAID data protection—bringing the reliability and availability of RAID disk to backup and recovery, the REO 1000 offers RAID 5 data protection for storage managers who wish to retain an extra layer of data protection at every stage of their disk-to-disk backup process.



- 1 TB NATIVE STORAGE CAPACITY
- HIGH-SPEED FILE ACCESS
- 1U, RACK MOUNTABLE FORM FACTOR
- GIGABIT ETHERNET (iSCSI) CONNECTIVITY
- DISK IMAGE AND/OR LTO-2 TAPE EMULATION
- RAID 5 DATA PROTECTION
- VIRTUALIZED DISK AND TAPE MANAGEMENT

	REO 1000	1U/2U TAPE AUTOLOADERS
Capacity	✓	
Instant File Restore	✓	
Compact Form Factor	✓	✓
Virtualization	✓	
Tape Emulation	✓	
RAID	✓	
Total Cost of Ownership	✓	

REO 1000 SPECIFICATIONS

CAPACITY	Four 250GB SATA disk drives
Native Capacity	1 TB
PERFORMANCE	Up to 150 GB/hour
HOST INTERFACES	One GbE port (RJ45), One Management Port (RJ45)
Hardware	16MB REO SoftKey (Standard USB interface)
Software	1 GB Ethernet/iSCSI
Storage Protocol	
Controllers	Single RAID controllers
RAID Level	5 and 0
LUNs Supported	Any combination of LUNs and Virtual Tape Drives up to 16 total
POWER REQUIREMENTS	
Voltage	90 to 120 VAC, 200 to 240 VAC+/-10%
Frequency	47 to 63 Hz
Current	2.5A @ 115 VAC, 12.5A @ 230 VAC
Power Cord Connector (US)	IEC 60320 C13 connector
Power Consumption	Steady state 180 watts; peak power 200 watts
ENCLOSURE	
Dimensions	17 x 27 x 1.75 inches (43.18 x 68.58 x 4.45 cm)
Weight	1U rackmount 45 pounds (20.5 kg)
ENVIRONMENTAL REQUIREMENTS	
Humidity	OPERATING 20–80% non-condensing NON-OPERATING 10–95% non-condensing
Temperature	10–40° C -40 to 60° C
Altitude	50–95° F -40 to 140° F
Shock	-984 to 10,000 feet -300 to 12,000 m
Vibration	-300 to 3,048 m 10 G (11 ms half sine) 20 G (11 ms half sine pulse)
	.25 G swept sine 1.0 G swept sine
	(5–250–5 Hz) no errors (5–250–5 Hz)
AGENCY APPROVALS	UL/TUV, NRTL, CE, CUL (Canada), VCCI Class B/CISPR PUB 22 (Japan), TUV GS (Germany), BSMI (Taiwan)
ISCSI INITIATORS SUPPORTED	Microsoft® iSCSI Initiator for Windows Server™ 2003, Windows® 2000 and Windows XP Professional, Intel® PRO/1000T for Windows and Linux and Red Hat® Linux 9.0. Others as introduced by vendors and certified by Overland Storage
WARRANTY	One year parts and labor

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